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PHOTOGRAPHIC INTELLIGENCE MEMORANDUM

PROBABLE MISSILE LAUNCHING
INSTALLATION NEAR BALAKLAVA, USSR



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CIA/RR-HTA-M13-57

29 APRIL 1957

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CENTRAL INTELLIGENCE AGENCY
OFFICE OF RESEARCH AND REPORTS

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PROBABLE MISSILE LAUNCHING INSTALLATION
NEAR BALAKLAVA

I. Introduction

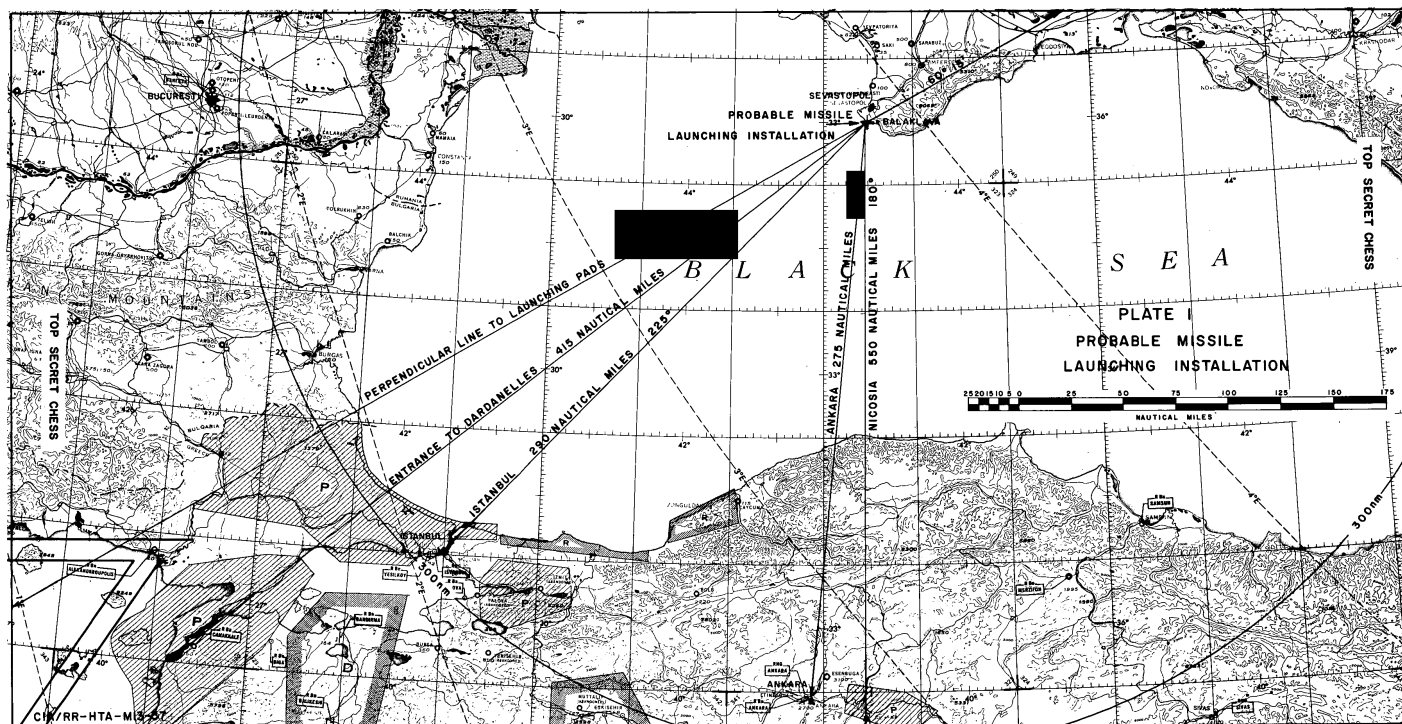
Two probable missile launching pads, located within a maximum security area five miles south of Sevastopol' and two and one-half miles west of Balaklava, appear on photography of [REDACTED] The triple-fenced enclosure in which they are situated lies along the Black Sea coast, with a steep cliff on the seaward side. The installation occupies an area of about 1000 acres. It is about two miles in length, and varies from approximately one-half to one mile in width. The three fences surrounding it are roughly parallel to each other, and about 75 feet apart. It is not possible to determine whether the seaward side of the installation is fenced. There are several small guard towers at intervals along the outer fence, as well as two guard buildings at each of the two entrances. What appears to be another guard building is located along the fence on the eastern boundary of the enclosure. In addition to the perimeter, three areas within the enclosure are also fenced.

25X1D

A road of only fair to good quality leads one and one-half miles south from the black-topped Balaklava-Sevastopol' highway to the north entrance of the installation. Access from the west is by a coastal road which connects with other military installations in that direction.

The existence of a missile site at this location would be significant because of the numerous strategic targets within range of such weapons (see Plate 1). Factors which preclude positive confirmation as a missile site, however, include the fact that the pads are probably earth-surfaced, that no launching racks can be identified, and that access roads to the installation are only fair to good quality.

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II. Functional Areas and Facilities Within the Installation

A. Probable Launching Area (Area A, Plates 2, 3 and 4)

This fenced area, located in the western portion of the installation at an elevation of roughly 800 feet, is comprised of the following facilities.

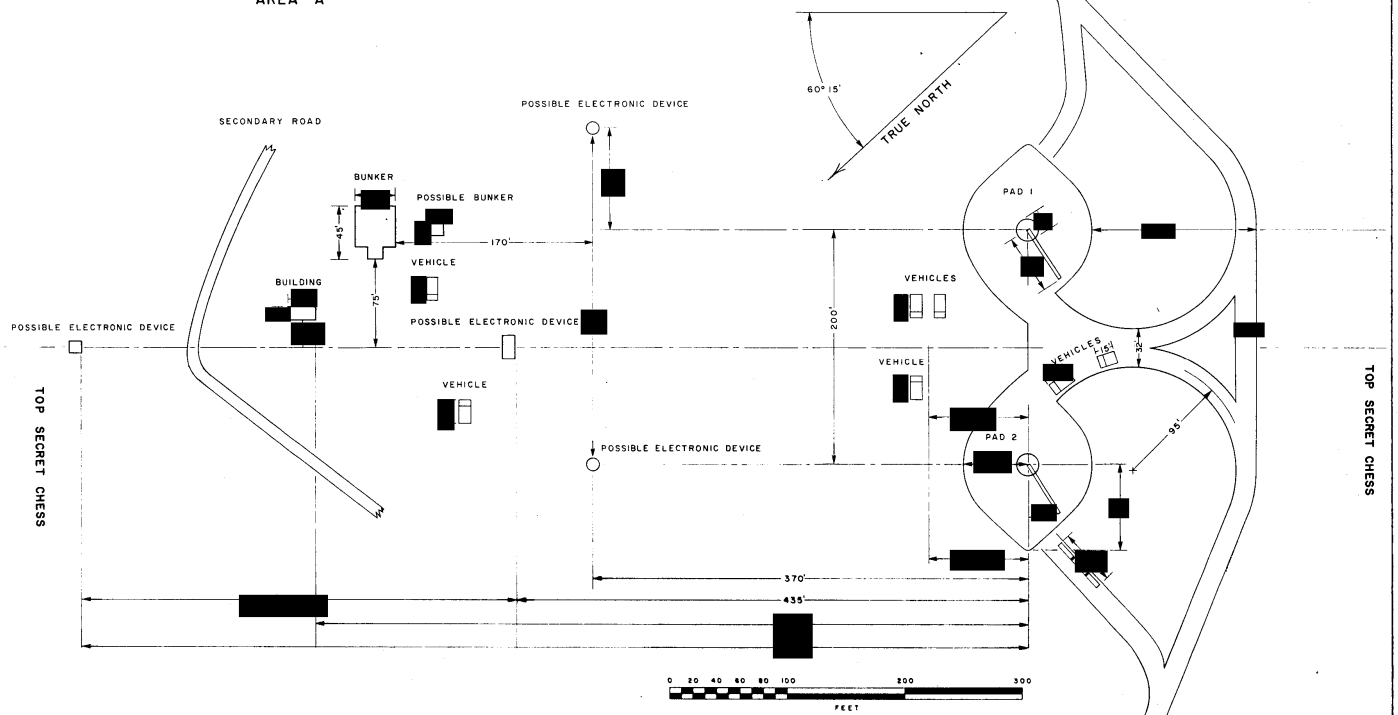
1. Two Probable Launching Pads The two pads are eye-shaped, with an operating diameter of [REDACTED] They appear to be earth-surfaced, but it is possible that they are still under construction. Around the center of each there seems to be a dark circular area [REDACTED] in diameter. A dark line [REDACTED] with a 116°35'/296°35' orientation radiates from the center of each pad. Small dark spots are distributed over each pad.

The significance of these dark areas is uncertain, but the following are possible explanations. The dark center portions may be vertical support sections for missile launching racks. The dark lines may be either missile launching racks or shadows formed by slanted masts. The small dark spots may be burn marks caused by the firing of missiles at various slant angles and on various azimuths by a rotating missile launcher mounted on each pad.

2. Concrete Apron and Roads In the area between the pads there is a concrete apron from which [REDACTED] concrete roads, with no sharp turns, lead to probable storage and/or assembly Areas B (2900 feet east) and C (1400 feet northeast). A branch road also leads up to each pad on the side opposite the apron. These roads do not appear to connect with the surface of the pads. Since the terrain falls away on the western and southern sides of the pads, the possibility exists that these roads may enter beneath the pads. The road to Pad 2 is probably concrete. The road to Pad 1 appears to be earth-surfaced but it is possibly still under construction.

PROBABLE MISSILE LAUNCHING INSTALLATION
AREA A

PLATE 2



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25X1D Two vehicles, 15 and [REDACTED] are parked on the concrete apron between the pads. Three other vehicles, each [REDACTED] are parked 25X1D off the concrete apron to the northeast. An unidentified object [REDACTED] 25X1D long, resembling connected trailers, is on the branch road leading into the west side of Pad 2.

3. Probable Control Section Northeast of the pads there is a probable control section which includes the following:

25X1D One earth-revetted bunker 45 x [REDACTED] with a wing [REDACTED] 25X1D

25X1D One partially revetted possible bunker [REDACTED] 25X1D

25X1D One unidentified building [REDACTED] 25X1D

25X1D Two vehicles, each [REDACTED] 25X1D

Four possible electronic devices, one of which is located outside the fence enclosing Area A.

B. Probable Storage and/or Assembly Area (Area B, Plates 3 and 4)

25X1D A fenced probable storage and/or assembly area is located in the north part of the installation. It includes a concrete apron [REDACTED] 25X1D feet, which consists in part of a [REDACTED] Two pitch-roofed 25X1D probable storage and/or assembly buildings, each measuring [REDACTED] x 45 25X1D feet, and two small buildings or vehicles, one 25 x [REDACTED] and the other 25X1D [REDACTED] are located on the apron. A row of small unidentified objects extends along the east side of each pitch-roofed building.

25X1D Adjacent to the north end of the apron is a building [REDACTED]. In 25X1D the east portion of the area, along the [REDACTED] concrete road is a 25X1D three-bay building [REDACTED] Each end bay measures [REDACTED] feet and 25X1D the center bay is [REDACTED] A row of small unidentified objects extends 25X1D along the south side of this building. Also along this road is a hip-roofed 25X1D barracks with dormers, [REDACTED] a guard building [REDACTED] 25 feet, and 25X1D a small building [REDACTED]

PLATE 3
PROBABLE MISSILE
LAUNCHING INSTALLATION

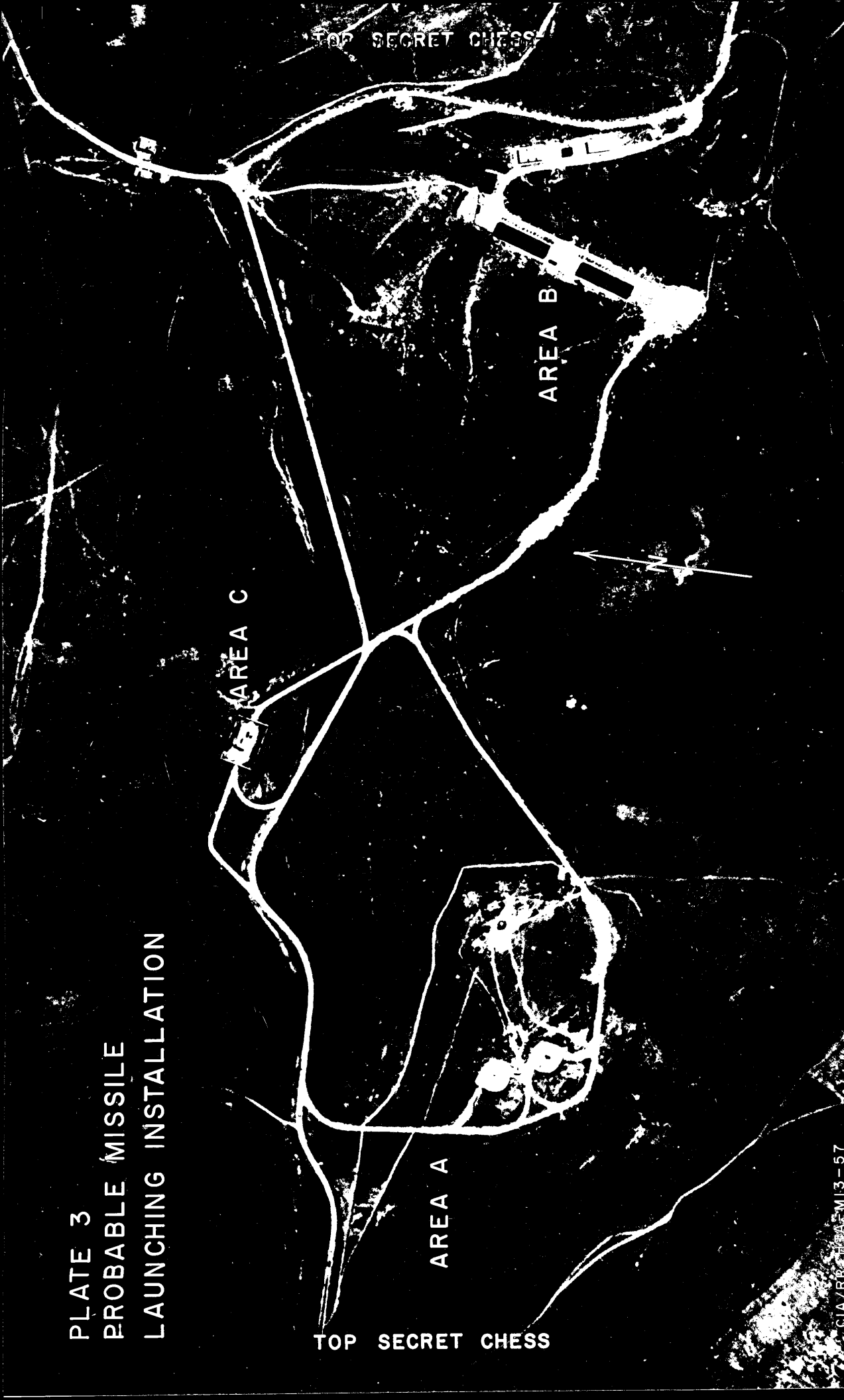
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AREA C

AREA B

AREA A

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25X1D From the east entrance of Area B the concrete road leads to a good
quality road [REDACTED] wide which, in turn, gives access to a probable
storage Area D, 7350 feet to the southeast

C. Probable Storage and/or Assembly Area (Area C, Plates 3 and 4)

25X1D Within this area is a pitch-roofed building [REDACTED], with a 25X1D
25X1D [REDACTED] wing. Extending from the east end of this building is a
possible blast wall or what may be an overhead crane about [REDACTED]
The building is on a concrete apron 110 x 60 feet, with space available
for vehicle traffic around the south side of the structure. The center of
each end of the main portion of the building is in direct line with a concrete
road which connects with both ends of the concrete apron and provides
access to Areas A and B.

D. Probable Underground Storage Area (Area D, Plate 4)

A probable underground storage facility is located within an
old coastal artillery fort in the southeast corner of the installation.

25X1D [REDACTED] two guard buildings ([REDACTED]) have been 25X1D
constructed at the fort entrance, but there is no evidence that the fort is
presently used for coastal artillery.

25X1D A good road [REDACTED] of undetermined surfacing (probably not
concrete), connects the fort entrance with the concrete road network
leading to Areas A, B and C. A dirt road about [REDACTED] 25X1D
connects the fort with Area E, a possible electronic site.

Within the fort, track activity is noted from the entrance to a cleared
area in the southeast portion of the compound. A 60-foot-wide roof-
covered, underground entrance or vehicle shed is on the southwest side of
the cleared area. On the roof is an unidentified object which casts a
shadow on the ground in front of the entrance. A [REDACTED] under- 25X1D
ground entrance is on the northeast side of the cleared area. Within the
cleared area is a vehicle or shed that measures [REDACTED] 10 feet. 25X1D

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E. Possible Electronic Site (Area E, Plate 4)

A possible electronic site is located in the southwest portion of the installation in an area of approximately the same elevation as the probable missile launching area (Area A). The site is connected to other parts of the installation by dirt roads 10 to [REDACTED] The site appears to be made up of the following items: a building [REDACTED] 15 feet, a possible stick mast, a small unidentified object, three unidentified elongated objects each about [REDACTED] in length, a light-colored object or mound of dirt, and an empty hole in the ground about [REDACTED]

F. Other Facilities Within the Installation

A circular cleared area approximately 30 feet in diameter is located 340 feet southwest of Area D. A possible tower is located 620 feet southwest of Area D.

Several probable small buildings are located 400 feet southeast of Area B. A building approximately [REDACTED] feet and two small unidentified objects are located about 100 feet north of Area B. A van or shed and a possible mast are located approximately 760 feet northwest of Area B.

III. External Possibly Related Installations

Numerous military installations and facilities are located within the Balaklava/Sevastopol' area. None of these can be definitely related operationally to the Missile Installation. One installation is of interest, however, primarily because of its proximity to the Missile Installation, and another because of its double security fence.

An unidentified installation consisting of houses, administration buildings, a vehicle park and storage facilities is located on the coastal road approximately 2800 feet west of the west entrance to the Missile Installation.

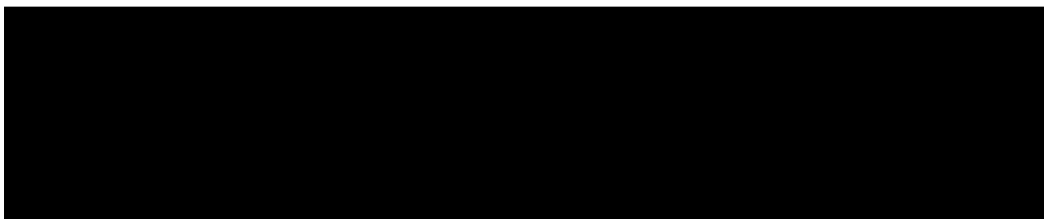
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A former coastal artillery fort is located on the coastal road approximately 5.8 statute miles west of the Missile Installation. A double fence constructed [REDACTED] surrounds it, and encloses an area of approximately 35 acres. The main road entering the fort leads directly into a [REDACTED] probable underground entrance, which appears to be in current use. The following buildings and objects within the fort do not appear on [REDACTED] two pitch-roofed buildings [REDACTED] x 35 feet and 90 x 40 feet, five unidentified objects varying from [REDACTED] and three probable vehicles [REDACTED]

HTA-M13-57

REQUIREMENT: Prepared in answer to HTA/SI/R60/56, CI/HTA/R1/56
and RR/HTA/E/R115/56 requesting a photo intelligence evaluation
of a maximum security area in the Crimea, located about five miles
south of Sevastopol'.

25X1D



MAP REFERENCES:

U.S. Target Mosaic No.

U.S. Target Mosaic No.

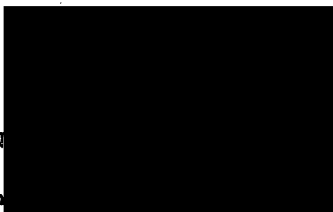
U.S. Air Target Chart N

U.S. Target Complex Ch

World Aeronautical Chart No. 0250

USAF Jet Navigation Chart No. JN-22

25X1A



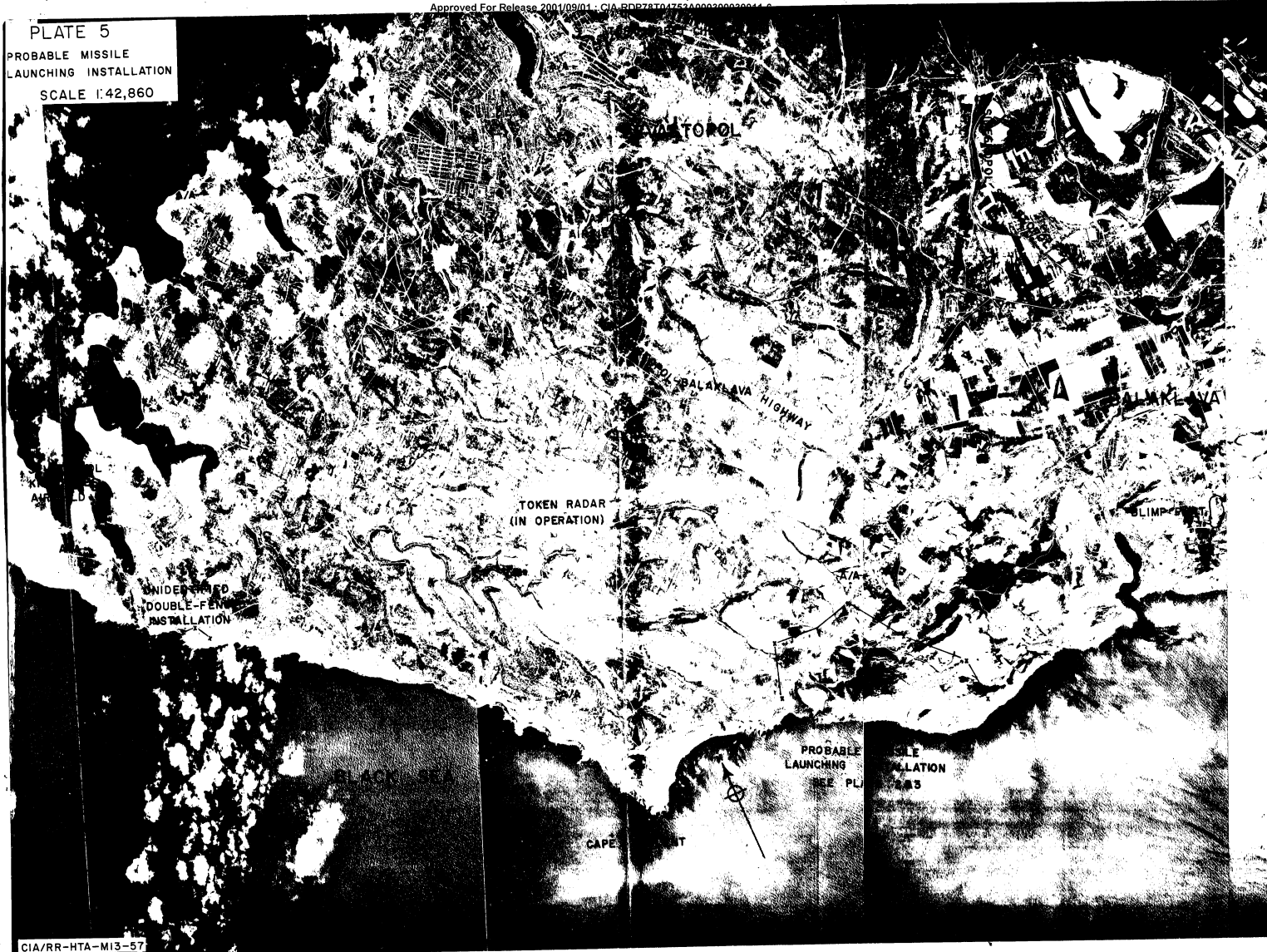
OTHER REFERENCES:

Airfields and Seaplane Stations of the World, Vol. No. 36

COORDINATES:

44°30'N; 33°32'E

PLATE 5
PROBABLE MISSILE
LAUNCHING INSTALLATION
SCALE 1:42,860



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